

ABSTRACT

β 1,4-N-Acetylgalactosaminyltransferases (β 4GalNAcTs) and nucleic acids encoding the β 4GalNAcTs or proteins having β 4GalNAcT activity are described. The polynucleotides can be used to transform or transfect host cells for producing substantially pure forms of the enzyme, or for use in an expression system, or in vitro, for formation of a GalNAc β 1,4 GlcNAc structure on proteins or peptides. Antibodies to the β 4GalNAcTs and their use are also contemplated.